

**DRAFT**

**Long-Term**

**Central Valley Project**

**OCAP BA**

**CVP-OCAP**

**U.S. Department of the Interior**  
**Bureau of Reclamation**  
**Mid-Pacific Region**  
**Sacramento, California**

**DRAFT – PRELIMINARY WORKING DRAFT**

**2003**



# **Mission Statement**

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.



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# List of Abbreviations/Acronyms

(To be updated)

ACID	Anderson-Cottonwood Irrigation District
AF	acre-feet
AFRP	Anadromous Fish Restoration Program
CCWD	Contra Costa Water District
cfs	cubic feet per second
COA	Coordinated Operation Agreement
CPUE	catch per unit effort
CVP	Central Valley Project
CVPIA	Central Valley Project Improvement Act
DCC	Delta Cross Channel
Delta	Sacramento-San Joaquin Delta
DFG	California Department of Fish and Game
DO	dissolved oxygen
DWR	California Department of Water Resources
EIS/EIR	Environmental Impact Statement/Environmental Impact Report
EID	El Dorado Irrigation District
ESA	Endangered Species Act
ft/s	feet per second
FERC	Federal Energy Regulatory Commission
GCID	Glenn-Colusa Irrigation District
M&I	municipal and industrial (as in M&I water supplies)
MAF	million acre-feet
mg/L	milligrams per liter
MOU	Memorandum of Understanding
mS/cm	microSiemens per centimeter
NBA	North Bay Aqueduct
NMFS	National Marine Fisheries Service
NMIPO	New Melones Interim Plan of Operation
OID	Oakdale Irrigation District
PCWA	Placer County Water Agency

PG&E	Pacific Gas and Electric Company
ppm	parts per million
PSL	pre-screen loss
RBDD	Red Bluff Diversion Dam
RPA	reasonable and prudent alternative
RRDS	Roaring River Distribution System
RST	rotary screw trap
RWQCB	Regional Water Quality Control Board
SAFCA	Sacramento Area Flood Control Agency
SCE	Southern California Edison
SJRA	San Joaquin River Agreement
SMSCG	Suisun Marsh Salinity Control Gates
SMUD	Sacramento Municipal Utilities District
SOD	Safety of Dams
SPDP	Salmon Protection Decision Process
SRBS	Stanislaus River Basin Stakeholders
SRI	Sacramento River Index
SSJID	South San Joaquin Irrigation District
SWP	State Water Project
SWRCB	State Water Resources Control Board
TAF	thousand acre-feet
TCD	temperature control device
TDS	total dissolved solids
TFCF	Tracy Fish Collection Facility
USACE	U.S. Army Corps of Engineers
USBR	U.S. Bureau of Reclamation
USFWS	U.S. Fish and Wildlife Service
VAMP	Vernalis Adaptive Management Program
WAPA	Western Area Power Administration
WQCP	Water Quality Control Plan

## Introduction

This biological assessment describes the proposed long-term operation of the Central Valley Project by the Bureau of Reclamation and the State Water Project by the California Department of Water Resources (collectively “Project Agencies”). Reclamation, on behalf of itself and the California Department of Water Resources, is submitting this biological assessment pursuant to Section 7(a)(2) of the Endangered Species Act to both the U.S. Fish and Wildlife Service and the National Marine Fisheries Service (collectively “Services”) to ensure that the proposed action is not likely to jeopardize the continued existence of listed species.

## Purpose of the Biological Assessment

The purpose of a BA is to evaluate the potential effects of the proposed action on listed and proposed species and designated and proposed critical habitat and determine whether any such species or habitats are likely to be adversely affected by the proposed action. Further, the BA is used to determine whether formal consultation or a conference are necessary.

The Project Agencies’ objective is to work with the Services toward developing a long-term operations plan that meets the Project Agencies’ legal commitments with respect to the Central Valley Project and State Water Project in a manner that is consistent with the requirements of the Endangered Species Act. Reclamation and California Department of Water Resources prepared this biological assessment to describe and analyze the affects of the proposed long-term operations plan for the Central Valley Project and State Water Project on listed species.

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